

Business Problem

To build a generic model to collect information about number of people entering a place and to predict the number of people for short term and long term future.



- ❑ Untapped tourism economy
- ❑ Exponential growth in traffic
- ❑ Local Business



- ❑ Data Collection
- ❑ Data Forecasting
- ❑ Make the results available to all.



- ❑ Enhances business eco system
- ❑ Leverage for the advertising industry
- ❑ Solution to never ending traffic woes.
- ❑ Dynamic staffing for management.

Every nook and cranny in India is overly populated. The amount of time and resources lost contributes to huge loss in the country's growth.

An amalgam of ultrasonic sensor and Node MCU to generate the dataset. An apt model is using statistical approaches namely Moving average, exponential smoothing, ARIMA for time dependent data.

The data collected every hour from the hardware is stored in a file. The data from the file is processed into a daily and monthly format. Different statistical approaches are used to forecast. Based on the accuracy, the best model is chosen for an amount of time.

Easily mountable hardware at the required locations to collect the data. A website to showcase the results that is computed at the back end.